Personal Meteo Centre with Wireless Thermo-Hygrometer

Mete-On4

METEOTIME

MUST READ BEFORE GETTING STARTED

Your Meteotime Weather Station is different to traditional weather stations which measure the prevailing conditions only, the data of this weather station is based on the METEOTIME which is worked out on a daily basis by highly professional meteorologists using state-of-art instruments.

The Meteotime Weather Station is engineered in such a way that it is able to receive the coded METEOTIME signal containing the weather information. The information is broadcasted via the stations for radio-controlled clocks HBG (located in Switzerland) and DCF77 (located in Germany). For this reason, your Meteotime Weather Station is also a radio-controlled clock with all the known advantages, such as always showing the exact time, and automatic change to daylight saving time in winter and in summer.

You are able to receive weather forecasts for 60 meteorological regions within Europe for up to 4 days in advance, and offer a 2-day-advance forecasts for an additional 30 regions.

WHAT DOES IT TAKE TO GET GOOD RECEPTION?

Please read the brochure “Personal Meteo Centre PMC - Important.”.

Watch the symbol GOOD RECEPTION or BAD RECEPTION on the display. Once you have found the right location for GOOD RECEPTION, you may leave the Meteotime Weather Station there, it will collect its data by radio controlled signal. Within a few minutes time and the date will appear. However, the transfer of the very large amount of data (forecast for all regions and days) will take much longer.
To completely receive all data will take up to 24 hours from the time of the initial setup.

FEATURES

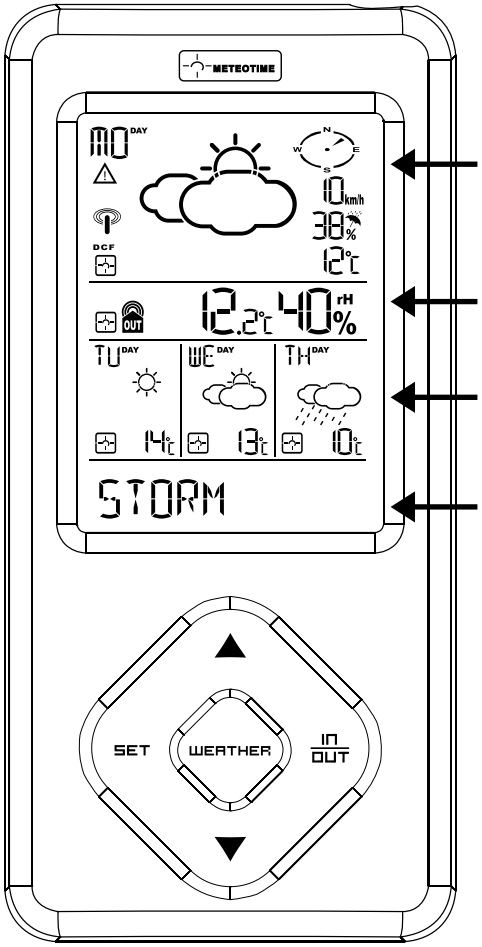
This package comes with a main unit which is Meteotime Weather Station, and a remote outdoor Thermo-hygrometer sensor.

This Meteotime Weather Station has equipped the thermo-hygrometer sensor to measure the indoor temperature and humidity, and also has a wireless outdoor thermo-hygrometer sensor to measure the outdoor temperature and humidity.

Key Features:
- Weather Status for today and coming days for 60+30 regions
- Precipitation Probability for Today
- Wind Speed and Wind Direction for Today
- Single channel outdoor 433Mhz wireless Thermo-hygrometer
- Indoor Thermo-hygrometer
- Sunrise and sunset display
- Regional Day-time temperature and Night-time Temperature information. The night temperature for the 4th day will not be displayed.
- Critical Weather Alert
- Radio-controlled Clock and Calendar
- Time-zone setting
- Blue Backlight
- Powered by Four AA batteries for main unit, and 2 AAA batteries for the outdoor sensor

INTRODUCTION

The Meteotime Weather Station LCD display shows:
- Today Weather Information Window
- In/Outdoor Temperature & Humidity
- Tomorrow, One-day-after, and Two-day-after Weather Information
- Information Window which shows Time & Date, Sunrise & Sunset, Cities, and Critical Weather Information Description.



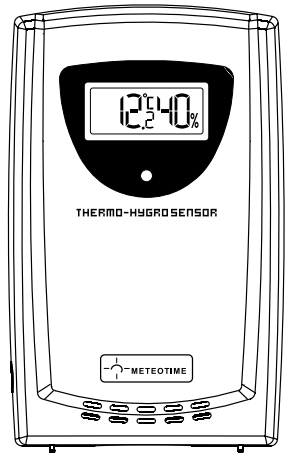
Main Unit

Today Weather Information including Wind Speed, Wind Direction, and the probability of Rain/Snow/Hail, Day & Night Temperature, Day & Night Weather Status.

In/Outdoor Temperature & Humidity.

Tomorrow, One-day-after, and Two-Day-after Weather Information including Day & Night Temperature, Day & Night Weather Status.

Information Window.



Remote Thermo-Hygrometer

There are total 8 buttons on the Main Unit, namely:

SET
- Selected City ⟷ Time + Date ⟷ Sunrise + Sunset
- Each press of [SET] will display the selected City, Time + Date or Sunrise + Sunset
- Press and HOLD [SET] for 3 second to select your <1> Country, <2> Time Zone, <3> Language, <4> Contrast of the LCD display

WEATHER
- Critical Weather Information ⟷ Time + Date ⟷ Day/Night Weather Status Change

▲
- increasing the value during setting
- Chose one of the pre-selected cities

▼
- decreasing the value during setting
- Chose one of the pre-selected cities

BACKLIGHT
- Turn-on backlight for 8 seconds. Any key pressed during backlight is ON, the backlight still turned on.

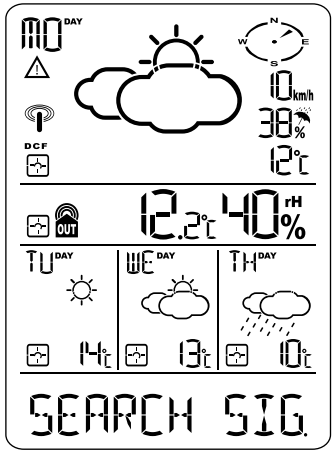
MEM
- display the maximum and minimum measured Temperature in record
- Press and Hold for 3 second to clear all the Max. and Min. record

TEST √
- Find the place for the device which has a good reception
- Add the city into the list of your desired cities
  OR
  Remove the city out of the list of desired Cities
- Edit your home town

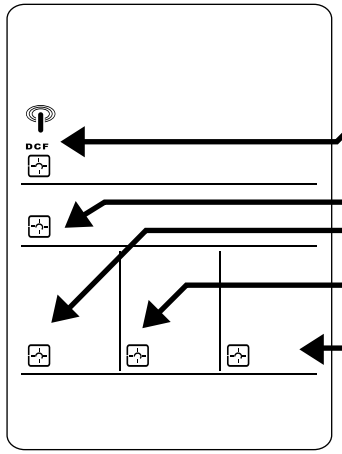
IN/OUT
- Switch to read Indoor Thermo-hygrometer ⟷ Outdoor Thermo-hygrometer
- Press and Hold for 3 second to force the main unit to search for the outdoor sensor

GETTING START

- Insert 2 pcs AAA batteries for remote sensor, and then insert 4 pcs AA batteries for the main unit.
- The main unit will automatically scan for the radio-controlled clock signal and the Meteotime Weather signal.



- The time and date will appear in a few minutes. Since there is a large amount of Weather information for all regions and days, the unit needs about 24 hours from the time of the initial setup to complete the reception of all data.
- After the time and the date signal is being received successfully, the display shows "**SELECT COUNTRY**" and then "**FRANKFURT**" as default city in the information window.
  To change the Country and the City please see the information below.
- If the unit is able to receive the Meteotime signal successfully, the Meteotime icon is appeared in the second row of display. Otherwise, the Meteotime will be .



means it successfully receives today's weather information. Otherwise, it will be

means it is able to receive the Meteotime weather signal. Otherwise, it will be

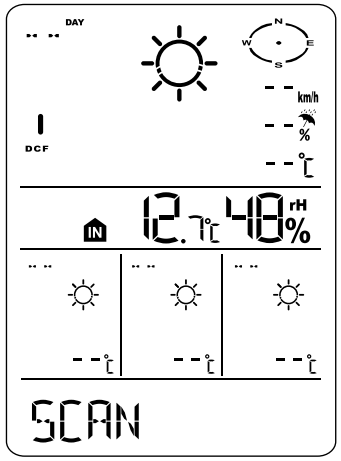
means it successfully receives tomorrow weather information. Otherwise, it will be

means it successfully receives weather information of one-day-after. Otherwise, it will be

means it successfully receives weather information of two-day-after. Otherwise, it will be

In the event the Meteotime icon change to ▢ , that means there are potential sources of interference on the unit. The sources of interference may come from the electronics equipment such as TV-set, computers, household machines etc. It may also be due to lots of concrete, metal parts and electrical equipment in the building. It may also be due to your living area if it is very far away from the Radio-controlled clock tower.

You are able to use the TEST function to look for a better location
• Press TEST button, SCAN is shown in the Information Window.



• Pick the unit to find a good location.
• ▢ flashing : The test is running and the Meteotime signal reception is good. You are able to leave the device in this position.
▢ flashing : The test is running and the Meteotime signal reception is poor. You need to keep on looking for a better location.
• The test lasted for around 1 minute. You can restart the test with the [TEST] key at any time, and also discontinue the test by press the TEST key.

SWITCH CITY <- -> SUNRISE & SUNSET TIME <- -> TIME & DATE
• After inserting the batteries, the weather station searches for the Radio controlled Time signal as well as the MeteoTime signal. After it has successfully received the MeteoTime signal, the display shows in the information window “Select Country”. After a few more minutes, the information windows the default city “ FRANKFURTM ”.
• You are able to press [SET] to switch from the display of the City to Sunrise & Sunset time OR Time & Date for Frankfurt am Main.

FRANKFURTM **[SET]** SUNRISE 6:19 SUNSET 19:38 **[SET]** 14:23 26° 5M

SELECT THE COUNTRY AND THE CITIES

Please note: The key [SET] must no be pressed to strong, i.e. press it only to the first "click". If yoit is pressed too firmly, you may feel a 2nd "click". In such a case, the setting function will not work.
• Press and Hold [SET] for 3 seconds, in the information window COUNTRY is shown, and then press [▲] or [▼] to select the country. For example: If you see in the information window D/GER , that means you have selected "Germany".
• Press [SET] to confirm the Country. Assuming you have selected Germany, then the information window will show CITY .
• Then, press [▲] or [▼] to select the city, and the city name will be shown in the information window. Example: FRANKFURTM means the city of 'Frankfurt am Main'

Press now [SET] to accept the setting. From now on, the selected city will now be shown in the information window.

ACTIVATE FAVOURITES

Once you have set your city as described above, you may select more cities for easy access. Instead of terminating the setting with the key [SET], you continue as follows:
• If 'Frankfurt am Main' is your selection as one of your favourite cities, then press [TEST √] to confirm. A √ will be shown on top of your selected city, and it will be stored into your personal memory list.
• Now you may press [▲] or [▼] to select more cities in the same country, and then press [TEST √] to confirm.
• If you wish to select cities from different countries, you have to exit the setting with [SET] and re-enter it again as described above in order to change the country

You may select maximum FIVE cities as favourites. If you want to add more cities, then MEMFULL will show in the Information Window.

When all settings are done, press [SET] to confrim and exit the setting mode.

REMARK: If, after inserting the batteries the first time, you are skipping the city selection, the product will select by default "Frankfurt am Main" as your selected city.

DISPLAY OF FAVOURITES

If you have selected more than one city as favourite, as an example Frankfurt am Main, Paris and Stockholm, then you are able to scroll through these cities by pressing [▲] or [▼] when the Information Window shows the CITY NAME (Press SET until it displays the City Name).

FRANKFURTM ←[▲/▼]→ PARIS ←[▲/▼]→ STOCKHOLM

REMOVE A CITY FROM THE LIST OF FAVOURITES

• Press and Hold [SET] for 3 seconds, COUNTRY is shown in the Information Window, then press [▲] or [▼] to select the country.
• Press [SET] key to confirm the Country
• Then, press [▲] or [▼] to go to your selected city with the √
• Press [TEST √] to remove the √. Now this city is removed from the favourites
• Repeat this if you wish to remove more cities from your list
• Now you may also press [▲] or [▼] to select another favourite city.

Once you have made all your changes, press [SET] to quit. EXIT will be shown in the information window. After 4 seconds, it will go to the City-Date-Time Mode.

PERSONALIZED A PLACE NAME

• Press and Hold [SET] for 3 second. In the information window, COUNTRY is shown, and then press [▲] or [▼] key to select the country. Let's said you have selected the country Germany which is represented in D/GER .
• Press [SET] key to confirm the Country (let's said we select Germany right now), and then the information window will show CITY.
• Then, press [▲] or [▼] key to select the city, and the city name will be shown in the information window such as FRANKFURTM means the city 'Frankfurt am Main', and you would like to enter a new city which is near the region of Frankfurt am Main.
• Press the 'MEM' key ; a *cursor flashes* on the first position of the Information Window

Then following input commands then apply:

KEY	Function
' ▲ ' or ' ▼ '	Selection of a letter
SET	<1> Accept the selected letter and jumps to the next position. OR <2> If you have not entered any letter (in other words, if only the cursor is flashing at the last position), confirm the entry with this key and your place will also be included in the memory with immediate effect
TEST	One position back in the data entry process

** The place that you have selected to enter your own description will still exist under its own name.
• Press [SET] key to confirm and exit

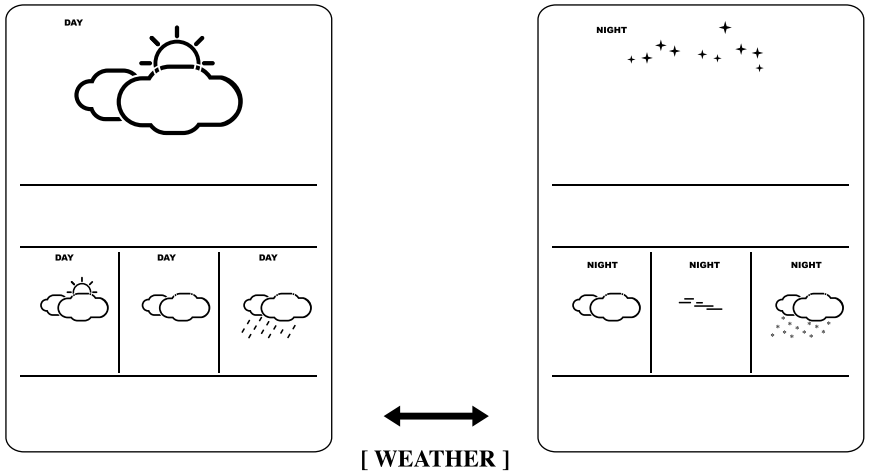
SET THE TIME ZONE, LANGUAGE and CONTRAST

• Press and Hold [SET] for 3 second, COUNTRY is shown in the Information Window.
• Press [SET] again, then ZONE +00HR is shown in the Information Window, press [▲] or [▼] key to adjust the time zone.
• Press [SET] again, then the language will be shown in the Information Window, press [▲] or [▼] key to select your desired language. There are total seven language for selection, namely German, English, Spanish, French, Italiano, Dutch, Swedish.
• Press [SET] again, then CONTRAST, 3 is shown in the Information Window, press [▲] or [▼] key to adjust the LCD contrast Level.
• Press [SET] again and EXIT will be shown at the information window. After 4 seconds, it will change to the City-Date-Time Mode.

REMARK: *If you do not have any selection into the Setup mode up to 60 seconds, it will automatically exit the setup mode. The Information Window will show City / Sunrise & Sunset Time / Time & Date.*

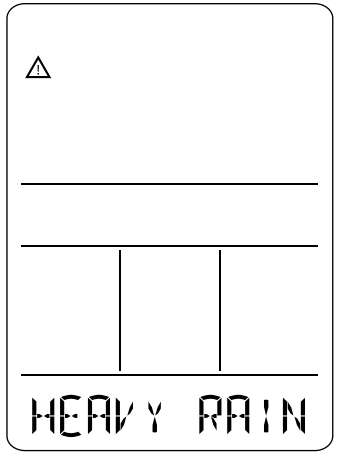
SWITCH DAY WEATHER INFORMATION <- -> NIGHT WEATHER INFORMATION

The device is able to base on the SUNRISE time and SUNSET time to automatically switch to DAY-WEATHER and NIGHT-WEATHER respectively. The unit is preset to show DAY-WEATHER after sunrise time, and NIGHT-WEATHER after SUNSET time. The user can press the [WEATHER] button to see the DAY-Weather (for 10-second period) if currently show the NIGHT-WEATHER, or vice verse.

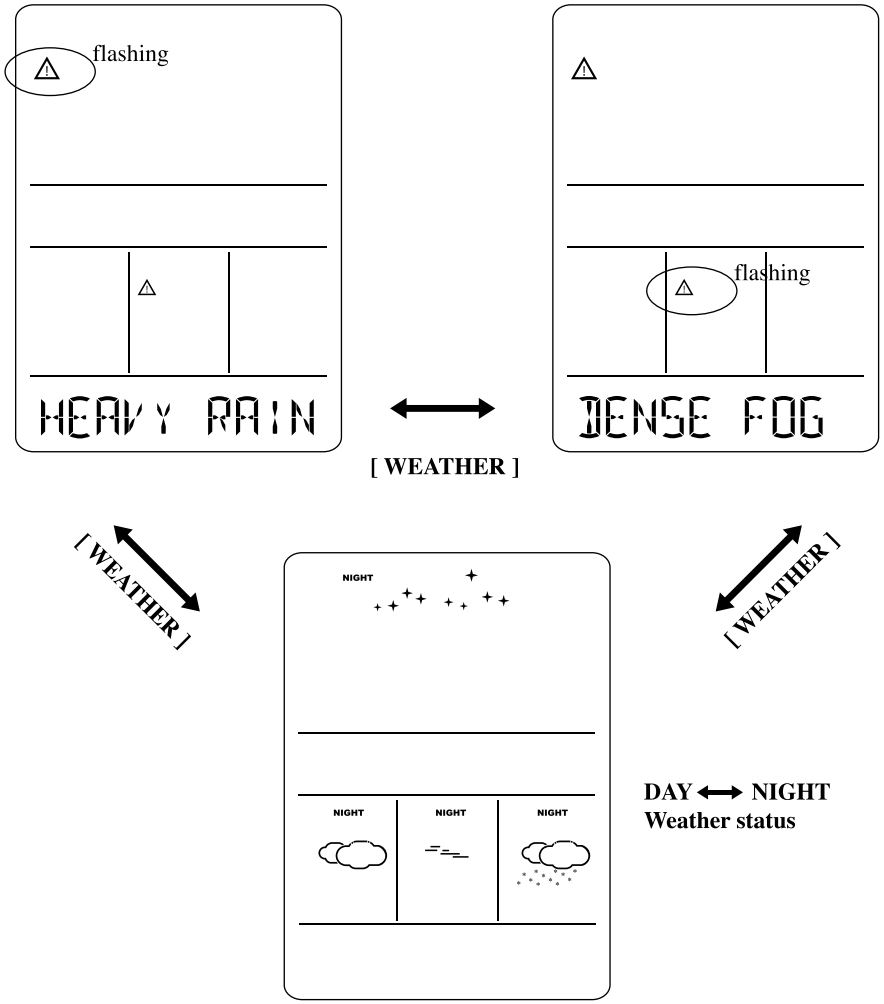


CRITICAL WEATHER INFORMATION

Meteotime Weather signal contains the Critical Weather Information such as Gust, Frozen Rain, Heavy Snow, Thunder, Strong UV, Dense Fog, Bise, Mistral, etc. for today and coming three days. A critical weather alert signal ⚠ will be turned on in case that day has critical weather that the user must know.



Sometimes there are more than one critical weather information in the 4-days. Press [WEATHER] key to read the critical weather information one by one. The special icon of the day will be flashed when you read the Information.



• Press [SET] key to go back to the display of CITY ⟷ SUNRISE & SUNSET TIME ⟷ TIME & DATE. If you would like to read the Weather Information in the information window, then press [WEATHER] Key to display DAY ⟷ NIGHT Weather information and also the Critical Weather Information.

If no key is pressed, the critical weather information will be toggle to display, so as to make sure you are aware of the critical weather details.

INDOOR / OUTDOOR TEMPERATURE AND HUMITIDY READING

- Press [IN/OUT] keys to switch the reading of indoor or outdoor temperature and humidity reading

- Press [MEM] key to read the record of the maximum and minimum temperature
- Press and Hold [MEM] key to CLEAR the record of the maximum and minimum temperature

LINKING THE OUTDOOR THERMO-HYGROMETER SENSOR WITH MAIN UNIT IF SIGNAL LOSS.

If the Main unit cannot receive the outdoor sensor signal, the outdoor signal icon will change to OUT.

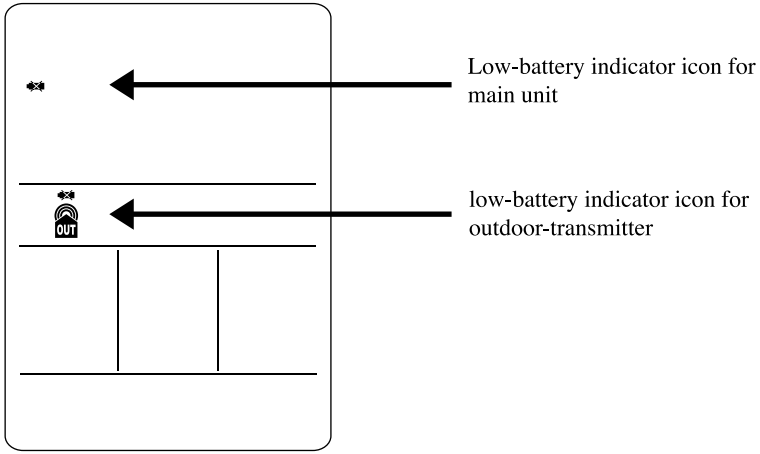
- Press and Hold [IN/OUT] button for 3 second, and then the wave icon will be flashed. If the signal has been received again, the outdoor signal icon will be OUT.

BACKLIGHT

- Press [Light] key to turn on the LCD backlight for 8 seconds.

LOW BATTERY INDICATION

When it is time to replace batteries, the respective low-battery indicator (see graphics) will appear next to the weather forecast for the display unit or next to the outdoor temperature for the outside sensor.



Significance	Day	Night
Sunny (Clear at night)		
Light Cloudy		
Mostly Cloudy		
Overcast		
Stratus Clouds		
Fog		
Showers		
Light Rain		

Significance	Day	Night
Heavy Rain		
Frontal Storms		
Heat Storms		
Sleet Showers		
Snow Showers		
Sleet		
Snow		

SPECIFICATION ON IN/OUTDOOR TEMPERATURE AND HUMIDITY MEASUREMENT

Temperature Display Range	: -40 degree C to 70 degree C
Temperature Resolution	: 0.1 degree C
Temperature Operating Range (Main Unit)	: -5 degree C to +50 degree C
Temperature Operating Range (Sensor Unit)	: -20 degree C to +60 degree C
Temperature Accuracy	: +/- 1 degree C
Humidity Display Range	: r.H. 1% to 99%
Humidity Resolution	: 1%
Humidity Accuracy	: +/- 5% (within 25% - 80% at 25 C)
RF Transmission Frequency	: 433 Mhz
RF Transmission range	: Maximum 30 meters (Open Area)

Main Unit is powered by AA batteries x 4 pcs.
Outdoor Thermo-hygrometer is powered by AAA batteries x 2 pcs.

EC-DECLARATION OF CONFORMITY

Product : Mete-On 4

This product contains the approved transmitter and complies with the essential requirements of Article 3 of the R&TTE 1999/5/EC Directives, if used for its intended use and that the following standard(s) has/have been applied:

Efficient use of radio frequency spectrum
(Article 3.2 of the R&TTE Directive)
EN 300 220-2,V2.1.1:2006
EN 300 330-2,V1.3.1:2006

Electromagnetic compatibility
(Article 3.1.b of the R&TTE Directive)
EN 301 489-03,V1.4.1:2002
EN 301 489-1,V1.6.1:2005

Electromagnetic compatibility
(Article 3.1.a of the R&TTE Directive)
EN 50371:2002

Low voltage directive
applied standard(s) **EN 60950-1:2006**

Additional information:
The product is therefore conform with the Low Voltage Directive 73/23/EC, the EMC Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE marking.

RTTE Compliant Countries :

All EU countries, Switzerland (CH)
Aud Norway (N)

CE0125